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1,845,315

COMBINATION BOX AND CLEANING BRUSH FOR FALSE TEETH

Filed Oct. '18, 1930

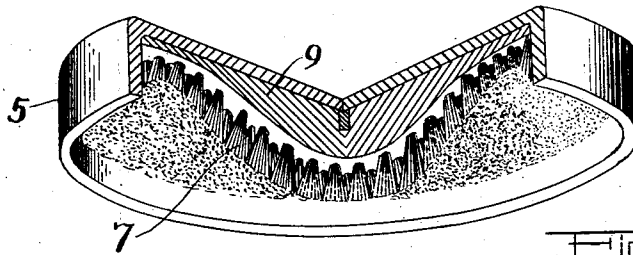


Fig. 1.

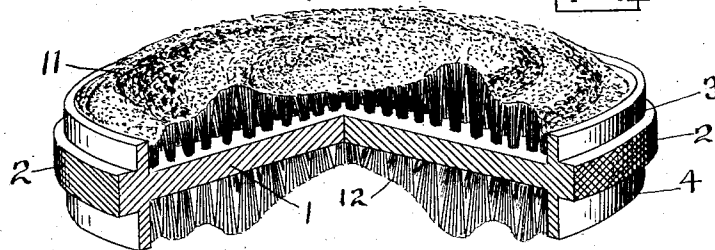


Fig. 2.

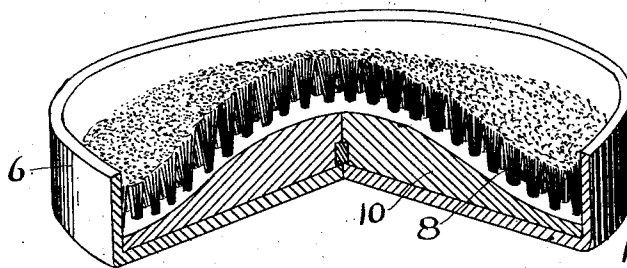


Fig. 3.

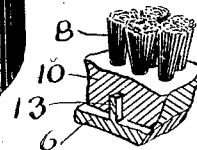


Fig. 6.

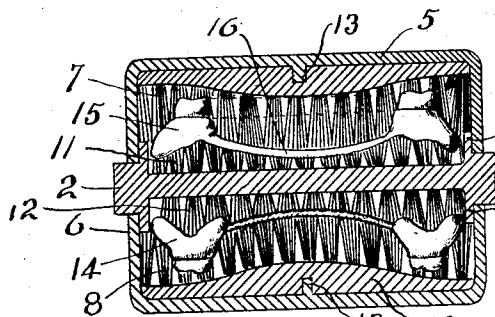


Fig. 4.

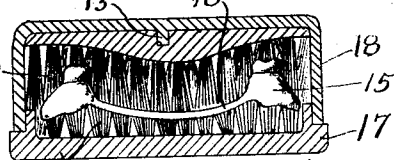


Fig. 5.

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## UNITED STATES PATENT OFFICE

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COMBINATION BOX AND CLEANING BRUSH FOR FALSE TEETH

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My invention relates to sanitary containers and efficient cleaning means for protecting and cleaning masticating appliances known as false teeth.

5 An object of my invention is to provide substantial and practical means for enclosing and cleaning artificial masticating appliances; an object being in my device to provide a convenient, inexpensive, practical  
10 and sanitary box in which to enclose the false teeth when in use and in which they may be thoroughly cleaned by means of brush members within the enclosure, which brush members may be permanently or detachably  
15 connected with the box and used in their normal functioning by manipulating the box or parts thereof along with the movements of the brush members.

20 A particular purpose of my invention is to provide in combination with a sanitary box for containing false teeth, a convenient and practical means of brushing the same with or without cleaning powder or pastes by rotating the cover members of the box over  
25 the surface of the false teeth so as to thoroughly reach all parts of the appliances.

30 I attain the objects of my invention in the device described in these specifications, recited in the claims and illustrated in the accompanying drawings in which like reference numerals indicate like parts in the several figures.

Referring to the figures:

35 Figure 1 is a perspective of one of the cover members of my invention showing in a cut-a-way the brush bristle members used in connection therewith.

40 Figure 2 is a perspective of the intermediate section of my box container for false teeth showing brush bristles on each side of this plate.

45 Figure 3 is a perspective of one of the cover members of my box container for false teeth showing the brush bristles operatively mounted therein in the form shown in Figure 1.

50 Figure 4 is a vertical half section of one of my assembled double compartment boxes disclosing the manner in which the brush bristles operatively mounted in the box are

normally fitted snugly up against the upper and lower sides of both the upper and lower set of false teeth.

Figure 5 is a vertical half section of a single compartment box for one set of uppers  
55 or lowers at a time.

Figure 6 is a perspective of a detail showing how the brush mountings may be attached to the box casing detachably where  
60 it is so desired.

Referring in detail to the construction of my invention and the preferred manner of operating the same, I provide in connection with an intermediate plate 1 a preferably  
65 round box container.

This intermediate plate 1 is provided with an outer flange 2 for holding the same by hand when it is desired to brush the teeth.

Flange member 2 projects as an annular band about intermediate plate 1 and is integral therewith. Registering above and below it are extensions 3 and 4 respectively over which to normally fit bristle equipped cover  
70 members 5 and 6 of the box.

Cover member 5 has a stable mounting 9  
75 for bristles 7 which extend in a raised position at the center and about the periphery thereof within the box's outer band for cleaning upper set 15 or lower set 14.

Cover member 6 has bristle members 8  
80 mounted within its base member 10 and the bristle members therein are formed like those in cover 5 to register effectively for cleaning the appliances on the opposite side of plate 1. Thus it will be observed that  
85 the ends of the bristles 7, 8, 11 and 12 are trimmed in a manner adapted to effectively clean the recesses in the composition or rubber mounting for the false teeth by rotating the brush or cover members to which the  
90 bristles are attached, either rigidly or detachably.

It will be observed that either cover member 5 or 6 may be rotated alone or they may be both rotated at the same time while holding the central or intermediate plate 1 so that  
95 either one side of the masticating appliances may be cleaned at a time or both sides may be cleaned at the same time.

It will be observed that the bristles in this  
100

box may be mounted on detachable plates 9 or 10 for convenience in cleaning and sterilizing the brushes; in which case these detachable plates may be either clamped or fastened with screws or snapped or otherwise secured firmly to the covers 5 and 6 by detachably fastening them onto the cover members by a tongue 13 in the cover members engaged by a groove in the mountings 9 and 10 (see Fig. 6). In like manner the brush mounting 9 in cover member 5 may be detachably secured therein or it may be made permanently into the cover members 5 and 6 if so desired.

An upper set 15 with its plate 16 may be brushed by bristles 7 and 11 in the first compartment or may be placed in the other compartment opposite plate 1 and brushed by bristles 8 and 12; while lower set 14 may also be cleaned in either compartment.

Where only one set is used then a single box consisting of plate 17 and a cover 18 may be used respectively with bristles 19 and 20 for cleaning an upper or lower set one at a time. Figure 5 shows an upper set of appliances in place for cleaning them.

Tongue 13 prevents plates 9 and 10 from turning when the covers 5 and 6 are being turned.

I do not wish to be confined in the spirit and scope of my invention to the exact form of the cover members or the detachable or fixed mounting for the brush bristle members or the annular flange 2, on intermediate plate 1 since the circumstances of use to which my invention is adapted may require one structure in one situation and another elsewhere.

Having thus described the nature of my invention what I claim is:

1. A container and cleaning brush for false teeth comprising a cleaning box including an intermediate brush mounting plate and a top and bottom cover and brush section; said intermediate plate adapted to engage the upper and lower set of false teeth appliances; said top and bottom covers and said plate each provided with brush members for brushing said appliances and also adapted to provide sanitary closure means for protecting said appliances.

2. A container and cleaning brush for masticating appliances comprising a box provided with an intermediate brush plate and a top and bottom closure member each provided with inner brush bristles for cleaning said appliances while engaged by said plate and said closure members.

3. As a new article of manufacture a combination container and brush for false teeth comprising an annular intermediate brush plate member, a pair of brush equipped cover members, said intermediate brush plate member cooperating with said cover members so as to rotatably brush said appliances

by slidably moving the cover members about the periphery of said annular intermediate brush plate member; said plate member provided with a central annular flange and annular side flanges; said cover members adapted to be manually rotated while said central plate member is held in place.

4. A container and cleaner brush for containing and brushing masticating appliances and comprising a middle plate provided with oppositely disposed bristles on opposite sides and oppositely disposed annular side flanges encompassing the bristles and an intermediate holding flange, a pair of box cover members respectively fitting said side flanges of said middle plate so as to cover said bristles of the middle plate and each provided with detachable brush members and means provided in both of said cover members for engaging said brush members detachably.

5. A container and cleaning brush for containing and brushing masticating appliances comprising a base plate provided with brush bristles on one side, an integral annular outer flange and an integral annular side flange, a cover member for encompassing the side flange and provided with a detachable inner brush member adapted to cooperate with said bristles of the base plate for cleaning false teeth by relatively rotating the cover member about the side flange of the base plate member.

6. A container and brush for false teeth comprising in combination a cylindrical box having a top and bottom and central section; said sections each provided with brush bristles, shaped to follow the contour of a set of false teeth appliances; said central section provided with bristles on both sides and an outer flange to be engaged by the hand; and said top and bottom sections each adapted to slidably fit about the annular side flanges of said central section and rest against said central outer flange of the central section; whereby said central section may be held stationary while holding said appliances while one or both of said outer sections may be slidably rotated for brushing said appliances, one side at a time or both sides together; and whereby said container may be made to hold said appliances when not in normal use and provide sanitary protection therefor.

In witness whereof, I hereunto set my hand this 16th day of October 1930.

MARION A. MEIKLE.